

Claims

1. A pushbutton switch having a housing (10), a push button (12) mounted in said housing (10) for axial movement between a normal position and a depressed position, said push button (12) being spring-loaded into said normal position and
5 carrying an elastically mounted cam element (24), at least one micro-switch (14) arranged in said housing (10), and a switch actuating rocker mounted within said housing (10) for pivotal movement, said switch actuating rocker having an actuating arm (20) for actuating said micro-switch (14) and a transmission arm
10 (18) engaged by said cam element (24) to

- hold said actuating rocker in said normal position when said push button (12) is in said normal position,
- move said actuating arm (20) away from said micro-switch (14) when said push button (12) is initially depressed,
- 15 - move said actuating arm (20) to a position actuating said micro-switch (14) on movement of said push button (12) to its depressed position, and
- force said actuating rocker to its normal position on return of said push button (12) from the depressed position to the normal position.

2. The pushbutton switch according to Claim 1, where said micro-switch (14)
20 is forced by said actuating arm (20) to remain actuated during a first phase of a return movement of said push button (12) from its depressed position to the normal position.

3. The pushbutton switch according to Claim 1 or 2, and comprising a pair of micro-switches (14, 16) arranged within said housing (10) and actuated
25 simultaneously by said actuating rocker.

4. The pushbutton switch according to Claim 3, wherein said micro-switches (14, 16) are arranged in parallel next to each other and the rocker has a separate actuating arm (20a, 20b) for each micro-switch.

5 5. The pushbutton switch according to any of Claims 1 to 4, wherein the cam element (24) is configured on a cam lever (22) that is mounted pivotally on said push button (12) and that has a generally parallel orientation with respect to an actuating stroke of said push button (12) between said normal position and said depressed position.

10 6. The pushbutton switch according to Claim 5, wherein said cam lever (22) has two ramp surfaces that converge in an apex, thus forming said cam element (24).

7. The pushbutton switch according to Claim 5 or 6, wherein a pressure spring (26) is inserted between a free end of said cam lever (22) and a supporting face formed on said push button (12).

15 8. The pushbutton switch according to any of Claims 1 to 7, wherein said actuating rocker has an orientation generally perpendicular to an actuating stroke of said push button (12) between said normal position and said depressed position.

9. The pushbutton switch according to any of the preceding claims, characterized by its use in a motor vehicle.

20 10. The pushbutton switch according to Claim 9, characterized by its use for actuating an electromotor-powered parking brake.